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REMARKS

The present response is intended to be fully responsive to all points of objection and/or rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application is respectfully requested.

Applicants assert that the present invention is new, non-obvious and useful. Prompt consideration and allowance of the claims is respectfully requested.

Status of Claims

Claims 1-30 are pending in the application. Claims 1, 3, 11, 14, 23 and 28 have been objected to. Claims 1, 3, 8, 9, 11, 12-15, 21 and 25-30 have been amended.

Claims 16-20 and 22-24 have been canceled without prejudice or disclaimer. In making this cancellation without prejudice, Applicants reserve all rights in these claims to file divisional and/or continuation patent applications.

Applicants respectfully assert that the amendments to the claims add no new matter.

Claim Objections

In the Office Action, the Examiner objected to claims 1, 3, 11, 14, 23, and 28 because of alleged informalities. Claims 1, 3, 11, 14 and 28 have been amended in order to cure informalities. Claim 23 has been canceled without prejudice or disclaimer. Accordingly, Applicants request withdrawal of the objection to the claims.

CLAIM REJECTIONS

35 U.S.C. § 112 Rejections

In the Office Action, the Examiner rejected claim 30 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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Claim 30 has been amended to overcome the antecedent basis deficiencies noted by the Examiner. It is respectfully asserted that the foregoing amendment merely addresses matters of form and does not change the literal scope of the claim.

Applicants respectfully assert that this amendment renders claim 30 proper under 35 USC 112 and request that the rejections be withdrawn.

35 U.S.C. § 102 Rejections

In the Office Action, the Examiner rejected claims 1-4, 9-14, 18-28 and 30 under 35 U.S.C. § 102(e), as being anticipated by U.S. Patent No. 6,895,547 to Eleftheriou et al. or as being anticipated by U.S. Patent Application Publication No. 2004/0047433 to Mogre et al. or as being anticipated by U.S. Patent Application Publication No. 2002/0042899 to Tzannes et al. Applicants believe these rejections have been overcome by the amendments indicated above in the view of the remark that follow.

Applicants assert that Eleftheriou et al., Mogre et al., and Tzannes et al. taken separately and/or in combination do not teach or suggest at least some of the features of amended independent claims 1, 9, 12 and 25.

For example, Eleftheriou et al. and/or Mogre et al. and/or Tzannes et al. do not teach at least the claimed features of a wireless communication device and/or a wireless communication system. Furthermore, Applicants assert Eleftheriou et al. and/or Mogre et al. and/or Tzannes et al. do not teach the claimed feature of a header of a data unit that includes the length of the information of the LDPC codewords.

Accordingly, Applicants respectfully assert that amended independent claims 1, 9, 12 and 25 are not anticipated by Eleftheriou et al. and/or Mogre et al. and/or Tzannes et al., and respectfully request that the Examiner withdraw the rejection to these claims. Furthermore, Applicants respectfully assert that amended independent claims 1, 9, 12 and 25 are patentable, and thus allowable over all the prior art of record, taken separately or in any combination.

Claims 18-20 and 22-24 have been canceled without prejudice or disclaimer.

Claims 3 and 4 depend from patentable base claim 1, claims 10-11 depend from patentable base claim 9, claims 13-14 and 21 depend from patentable base claim 12 and

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claims 26-28 and 30 depend from patentable base claim 25. In addition to any independent bases for patentability, claims 3, 4, 10, 11, 13, 14, 26-28 and 30 are patentable over the cited references by virtue of at least such dependency on patentable base claims 1, 9, 12 and 25.

Applicants respectfully request reconsideration and withdrawal the rejections of claims 1-4, 9-14, 21, 25-28 and 30 under 35 U.S.C. § 102(c), as being anticipated by Elefthriou et al. and/or Mogre et al. and/or Tzannes et al.

In addition, the Examiner rejected claims 1-4, 7, 9-14 and 17-30 under 35 U.S.C. § 102(c), as being anticipated by U.S. Patent Application Publication No. 2004/0098659 to Bjerke et al. Applicants believe these rejections have been overcome by the amendments indicated above in the view of the remark that follow.

Applicants assert that Bjerk et al. do not teach or suggest at least some of the features of amended independent claims 1, 9, 12 and 25.

For example, Bjerk et al. do not teach the claimed feature of a header of a data unit that include the length of the information of the LDPC codewords.

More specifically, with regard to independent base claim 9 Applicants respectfully assert that Bjerk et al. do not teach the claimed feature of "... decoding the one or more variable length LDPC codewords by decoding a length of the information from a header of the data unit".

Accordingly, Applicants respectfully assert that amended independent claims 1, 9, 12 and 25 are not anticipate by Bjerk et al., and respectfully request that the Examiner withdraw the rejection to these claims. Furthermore, Applicants respectfully assert that amended independent claims 1, 9, 12 and 25 are patentable, and thus allowable over all the prior art of record, taken separately or in any combination.

Claims 17-20 and 22-24 have been canceled without prejudice or disclaimer.

Claims 3-4 and 7 depend from patentable base claim 1, claims 10-11 depend from patentable base claim 9, claims 13-14 and 21 depend from patentable base claim 12 and claims 26-30 depend from patentable base claim 25. In addition to any independent bases for

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patentability, claims 3, 4, 7, 10, 11, 13, 14, and 26-30 are patentable over the cited references by virtue of at least such dependency on patentable base claims 1, 9, 12 and 25.

Applicants respectfully request reconsideration and withdrawal the rejections of claims 1-4, 7, 9-14, 21 and 25-30 under 35 U.S.C. § 102(e), as being anticipated by Bjerke et al.

The Examiner rejected claims 1-4, 9-14, 17-28 and 30 under 35 U.S.C. § 102(e), as being anticipated by U.S. Patent Application Publication No. 2004/0268205 to Stolpman et al. Applicants believe these rejections have been overcome by the amendments indicated above in the view of the remark that follow.

Applicants assert that Stolpman et al. does not teach or suggest at least some of the features of amended independent claims 1, 9, 12 and 25.

For example, Stolpman et al. does not teach the claimed feature of a header of a data unit that includes the length of the information of the LDPC codewords.

More specifically, with regard to independent base claim 9 Applicants respectfully assert that Stolpman et al. does not teach the claimed feature of "... decoding the one or more variable length LDPC codewords by decoding a length of the information from a header of the data unit".

Accordingly, Applicants respectfully assert that amended independent claims 1, 9, 12 and 25 are not anticipated by Stolpman et al., and respectfully request that the Examiner withdraw the rejection to these claims. Furthermore, Applicants respectfully assert that amended independent claims 1, 9, 12 and 25 are patentable, and thus allowable over all the prior art of record, taken separately or in any combination.

Claims 18-20 and 22-24 have been canceled without prejudice or disclaimer.

Claims 3 and 4 depend from patentable base claim 1, claims 10-11 depend from patentable base claim 9, claims 13-14 and 21 depend from patentable base claim 12 and claims 26-28 and 30 depend from patentable base claim 25. In addition to any independent bases for patentability, claims 3, 4, 10, 11, 13, 14, and 26-28 and 30 are patentable over the

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cited references by virtue of at least such dependency on patentable base claims 1, 9, 12 and 25.

Accordingly, Applicants respectfully request that the rejection of claims 3, 4, 10, 11, 13, 14, and 26-28 and 30 be withdrawn. Applicants respectfully request reconsideration and withdrawal the rejections of claims 1-4, 9-14, 21, 25-28 and 30 under 35 U.S.C. § 102(c), as being anticipated by Stolpman et al.

35 U.S.C. § 103 Rejections

In the Office Action, the Examiner rejected claims 5 and 15 under 35 U.S.C. § 103(a), as being unpatentable over Eleftheriou in view of U.S Patent No. 6,785,863 to Blankenship et al.

As discussed above, base independent claims 1 and 12 as amended, are allowable over Eleftheriou. Blankenship does not cure the deficiencies of Eleftheriou. Claim 5 depends from claim 1 and claim 15 depends from claim 12.

In addition to any independent bases of patentability, claims 5 and 15 are patentable over the cited references by virtue of at least such dependency on patentable base claims 1 and 12. Accordingly, Applicants respectfully request that the rejection of claims 5 and 15 under 35 U.S.C. § 103(a) be withdrawn.

In addition, the Examiner rejected claim 6 under 35 U.S.C. § 103(a), as being unpatentable over Bjerke, Tzannes and Eleftheriou.

As discussed above, base independent claim 1 as amended, is allowable over Eleftheriou, Bjerke and Tzannes. Claim 6 depend from claim 1.

In addition to any independent bases of patentability, claim 6 is patentable over the cited references by virtue of at least such dependency on patentable base claim 1. Accordingly, Applicants respectfully request that the rejection of claim 6 under 35 U.S.C. § 103(a) be withdrawn.

In addition, the Examiner rejected claim 8 and 16 under 35 U.S.C. § 103(a), as being unpatentable over Bjerke and Stolpman.

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Claim 8 depends from claim 1 and claim 16 has been canceled without prejudice or disclaimer.

As discussed above, base independent claims 1 and 12 as amended, are allowable over Bjerke and Stolpman.

In addition to any independent bases of patentability, claim 8 is patentable over the cited references by virtue of at least such dependency on patentable base claim 1. Accordingly, Applicants respectfully request that the rejection of claim 8 under 35 U.S.C. § 103(a) be withdrawn.

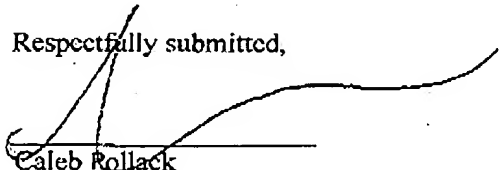
CONCLUSION

In view of the foregoing amendments and remarks, the pending claims are deemed to be allowable. Their favorable reconsideration and allowance is respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this Amendment, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

Aside from the fee for the petition for extension of time, no fees are believed to be due associate with this paper. However, if any fees are due, please charge such fees to deposit account No. 50-3355.

Respectfully submitted,


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